

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER
ALA
37-BIRM,
45G-

Stockham Pipe & Fittings Co.,
Brass Foundry
(Bronze Building)
Birmingham Industrial District
4000 10th Avenue North
Birmingham
Jefferson County
Alabama

HAER No. AL-49-G

NOTE: Photographs taken by Jet Lowe, Spring 1994.

- AL-49-G-1 BRASS FOUNDRY BUILDING WHERE STOCKHAM MANUFACTURED ITS BRONZE VALVES AND VALVE PARTS. ALTHOUGH THE COMPANY DID NOT PRODUCE BRASS CASTINGS, ITS EQUIPMENT WAS SIMILAR TO THAT USED IN BRASS FOUNDRIES AND MAY HAVE BEEN PART OF LONG RANGE PLAN TO CAST BRASS.
- AL-49-G-2 CORE MAKING MACHINES BRASS FOUNDRY.
- AL-49-G-3 BRASS FOUNDRY MACHINE ROOM USED TO MACHINE CAST BRONZE PIECES FOR VALVES AND PREPARE BRONZE VALVE BODIES FOR ASSEMBLY.
- AL-49-G-4 BRASS FOUNDRY ROOM SHOWING GATE CUTTERS USED TO REMOVE RUNNERS AND SPRUES FROM BRONZE CASTINGS TOO SOFT TO BE CLEANED IN TUMBLING MILLS. ALSO SHOWN ARE MOLD MACHINES AND THE SAND DELIVERY SYSTEM USED TO CREATE GREEN SAND MOLDS, POURED AT THE OTHER END OF THE GRAVITY CONVEYORS.
- AL-49-G-5 GRAVITY-FED MOLDING CONVEYOR, BRASS FOUNDRY, SHOWING OVERHEAD WEIGHTS AND POURING AREAS.
- AL-49-G-6 MOLD MACHINE, BRASS FOUNDRY, USED TO COMPRESS CONDITIONED SAND IN FLASKS OVER PATTERNS TO CREATE MOLD CAVITIES WHICH ARE LATER FILLED WITH MOLTEN BRONZE.
- AL-49-G-7 TILTING ELECTRIC ARC FURNACE USED TO MELT BRONZE IN THE BRASS FOUNDRY BY MEANS OF AN ARC CREATED BETWEEN TWO HORIZONTAL ELECTRODES. WHEN MELTED, THE FURNACE TILTS, FILLING MOBILE LADLES FROM THE SPOUT.
- AL-49-G-8 BRONZE FOUNDRY SCRAP STORED IN THE BINS TO THE RIGHT ARE LOADED INTO THE BOTTOM DROPPING CHARGE BUCKET IN THE BACKGROUND BEFORE BEING CHARGED INTO ONE OF THE ELECTRIC ARC FURNACES.

STOCKHAM PIPE & FITTINGS CO.,
BRASS FOUNDRY
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PATTERN STORAGE AREA FOR BRONZE VALVES AND VALVE
PARTS, BRASS FOUNDRY.